



# CONSTRUCTION EQUIPMENT

## VOLVO L220ELR 314360 - SWING DRIVE



**Sample No:** VCP0008475  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP0008475</b>	VCP332966	---	---
Sample Date	<b>27 Jun 2024</b>	05 May 2022	---	---
Machine Hours	<b>1360</b>	1346	---	---
Oil Hours	<b>14</b>	1000	---	---
Oil Changed	<b>N/A</b>	Changed	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

**ALTA EQUIPMENT COMPANY**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>340</b>	165	---	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Silicon	ppm	<b>6</b>	10	---	---
Sodium	ppm	<b>&lt;1</b>	1	---	---
Potassium	ppm	<b>&lt;1</b>	0	---	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>395</b>	314	---	---
Copper	ppm	<b>9</b>	6	---	---
Lead	ppm	<b>0</b>	0	---	---
Tin	ppm	<b>0</b>	0	---	---
Aluminum	ppm	<b>&lt;1</b>	1	---	---
Chromium	ppm	<b>4</b>	3	---	---
Molybdenum	ppm	<b>&lt;1</b>	1	---	---
Nickel	ppm	<b>0</b>	0	---	---
Titanium	ppm	<b>&lt;1</b>	0	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>4</b>	5	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

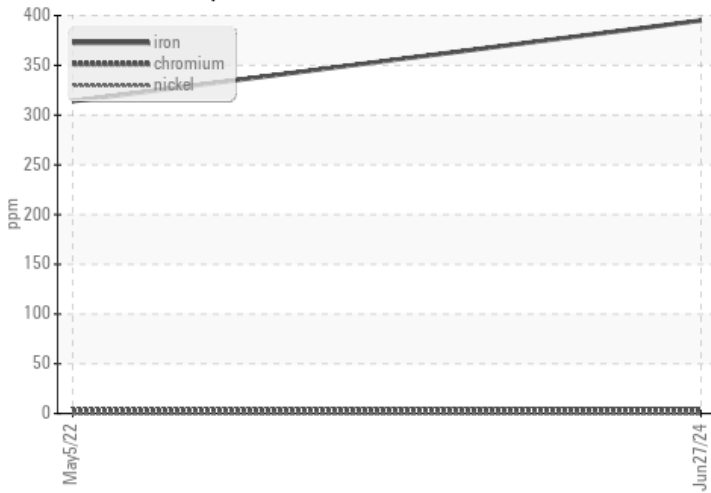
Calcium	ppm	<b>12</b>	13	---	---
Magnesium	ppm	<b>&lt;1</b>	0	---	---
Zinc	ppm	<b>8</b>	9	---	---
Phosphorus	ppm	<b>1062</b>	297	---	---
Barium	ppm	<b>2</b>	0	---	---
Boron	ppm	<b>158</b>	0	---	---

**Depot:** VOLVO0092  
**Unique No:** 11111460  
**Signed:** Don Baldrige  
**Report Date:** 07 Jul 2024

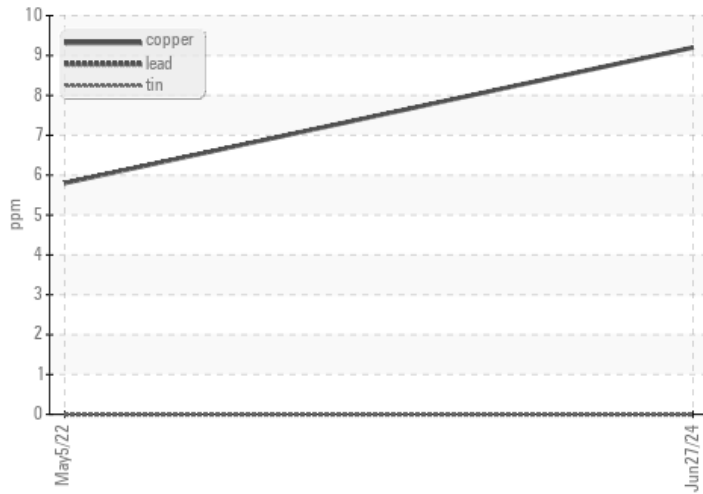


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C

